

Fig. 2



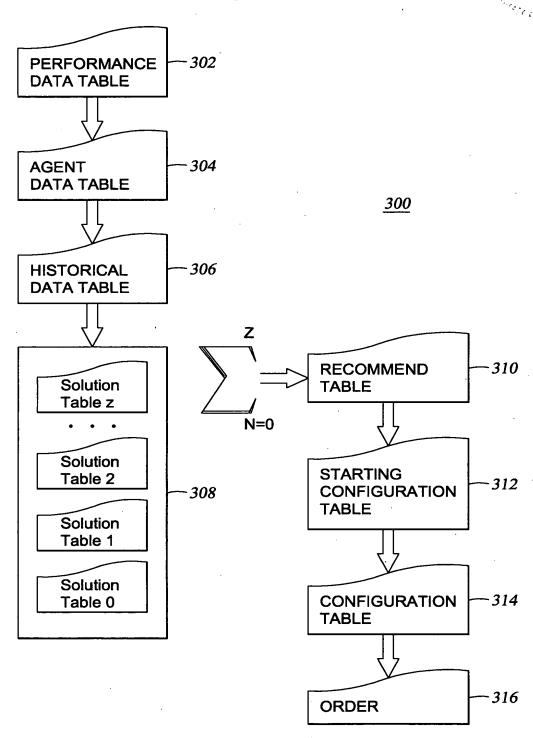


Fig. 3

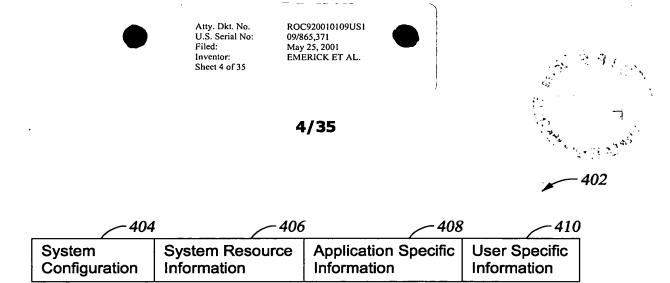


Fig. 4

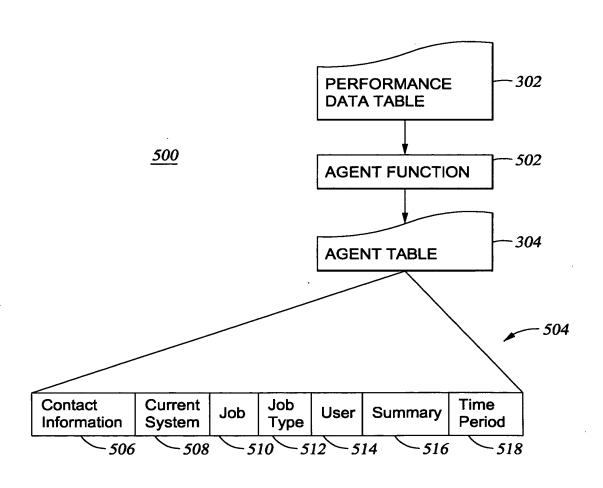


Fig. 5

Atty. Dkt. No. U.S. Serial No: Filed: Inventor: Sheet 5 of 35 ROC920010109US1 09/865,371 May 25, 2001 EMERICK ET AL.

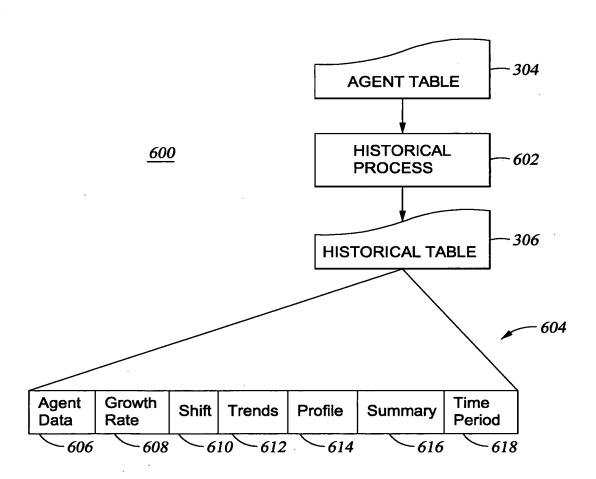


Fig. 6

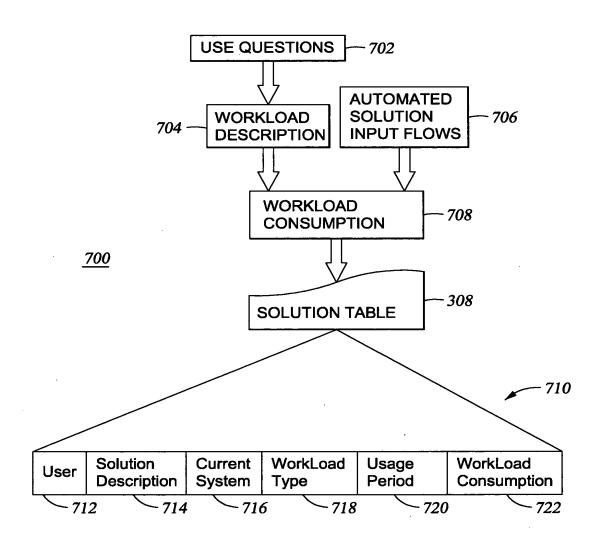


Fig. 7

Atty. Dkt. No. U.S. Serial No: Filed: Inventor: Sheet 7 of 35 ROC920010109US1 09/865,371 May 25, 2001 EMERICK ET AL.

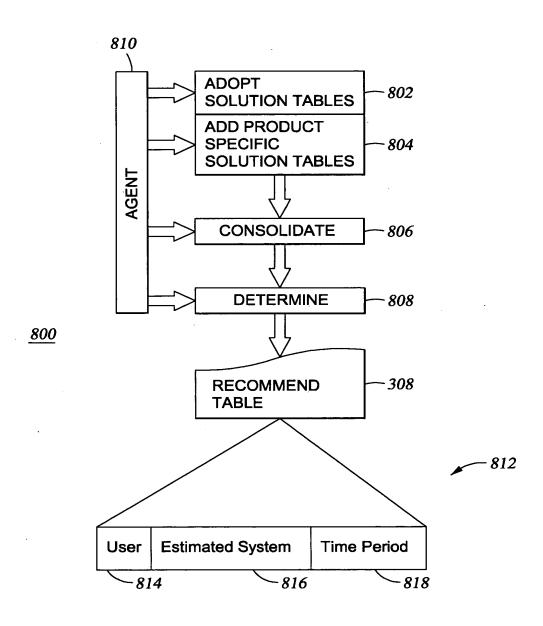


Fig. 8

Atty. Dkt. No. U.S. Serial No: Filed: Inventor: Sheet 8 of 35 ROC920010109US1 09/865,371 May 25, 2001 EMERICK ET AL.

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900

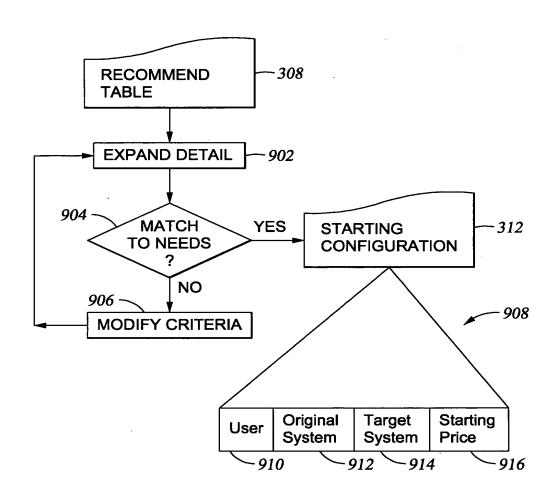


Fig. 9

Atty. Dkt. No. U.S. Serial No: Filed: Inventor: Sheet 9 of 35 ROC920010109US1 09/865,371 May 25, 2001 EMERICK ET AL.

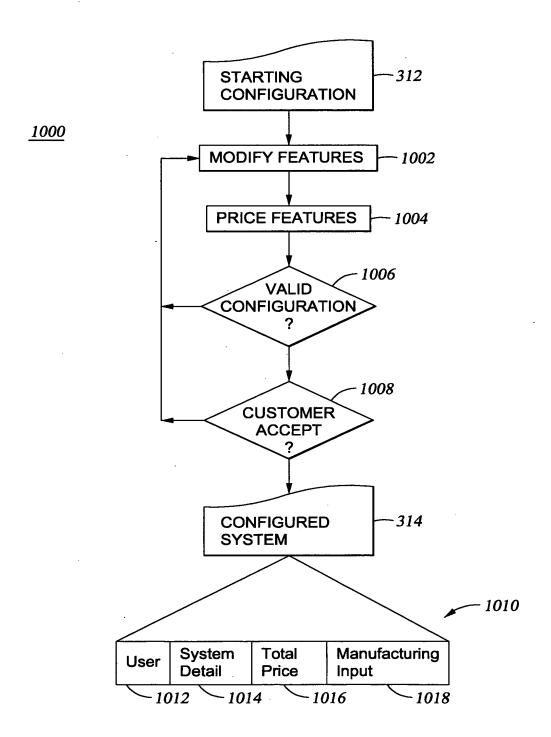


Fig. 10

Atty. Dkt. No. U.S. Serial No: Filed: Inventor: Sheet 10 of 35 ROC920010109US1 09/865,371 May 25, 2001 EMERICK ET AL.

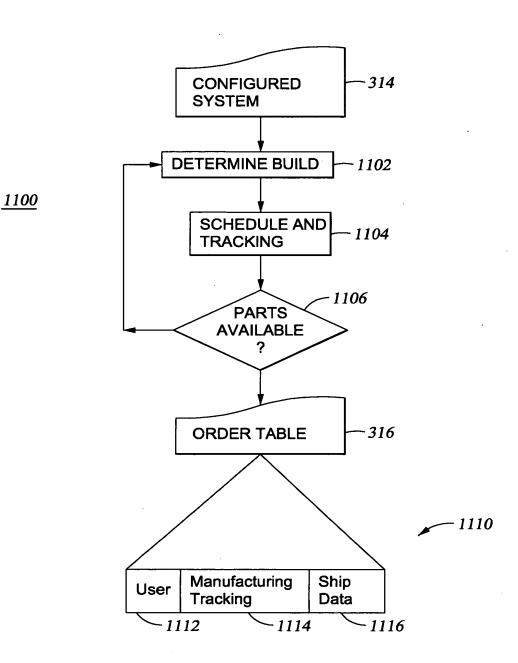


Fig. 11

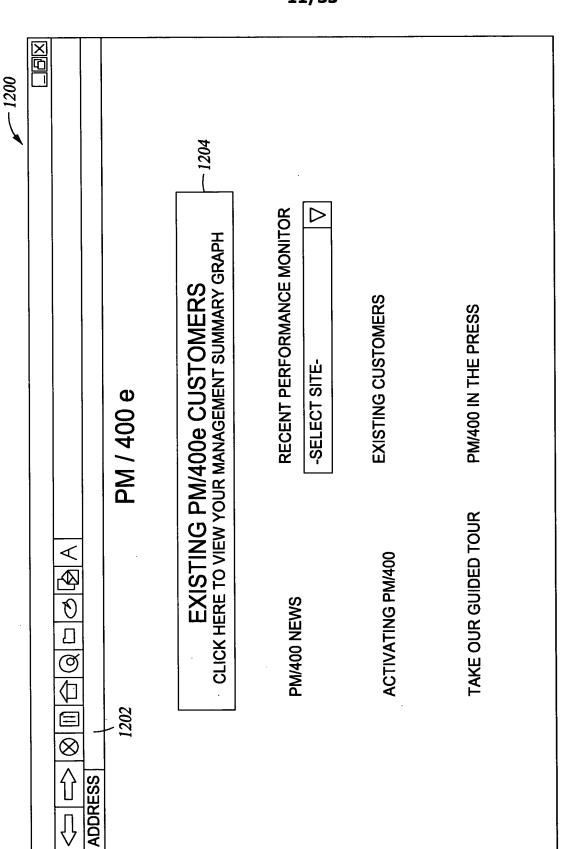


Fig. 12

Atty. Dkt. No. U.S. Serial No: Filed: Inventor: Sheet 12 of 35 ROC920010109US1 09/865,371 May 25, 2001 EMERICK ET AL.



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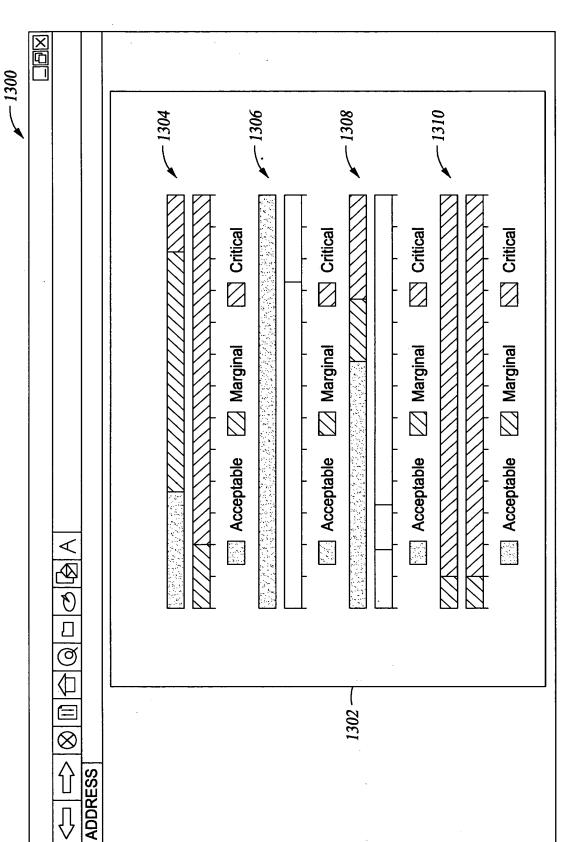


Fig. 13

Atty. Dkt. No. U.S. Serial No: Filed: Inventor: Sheet 13 of 35 ROC920010109US1 09/865,371 May 25, 2001 EMERICK ET AL.

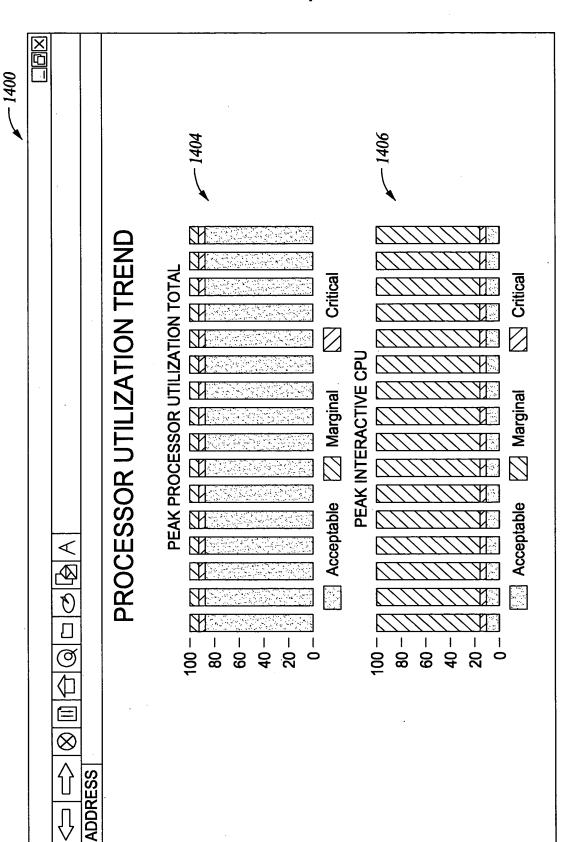
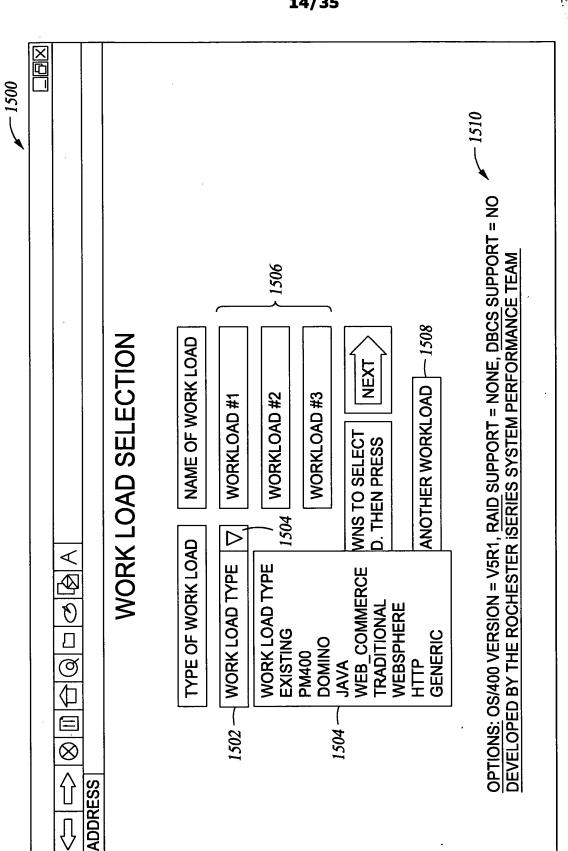


Fig. 14

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L

Atty. Dkt. No. U.S. Serial No: Filed: Inventor: Sheet 15 of 35 ROC920010109USI 09/865,371 May 25, 2001 EMERICK ET AL.

		1600
ADDRESS		
End End End End Total End	RCHASA28	·
1 System Information:	Serial:	10-3LOTM
12 months of	Model: Feature:	S40-2208
PM/400 data	System CPU:	87.0%of 4,550CPW
available	Interactive CPU:	2.3% of 120CPW
•	# of Processors:	12 24576MB
1602	Memory: Disk Arms:	24576MB 3.0%utilization of 228 Arms
1002	Disk / Wills.	installed
	Disk Arms Distribution:	7,200 RPM Arms 228.0
•	Disk Storage:	10k RPM Arms 0.0
	Data Protection:	966.6GB (72.6%) of 1.331GB No Protection
2. Growth Information Months to Grow:	12 1606	Memory Growth Matches
1608 - No 1608 - Dis Dis	eractive CPU: nInteractive CPU 87.549 tal System CPU: 87.317 sk Arms: - 4 sk Storage: 17 emory: 471	

Fig. 16

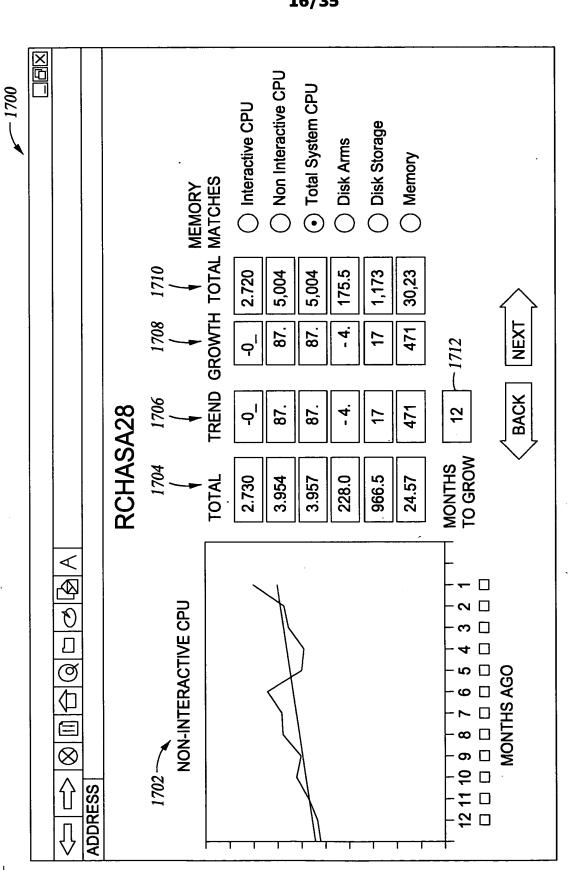


Fig. 17

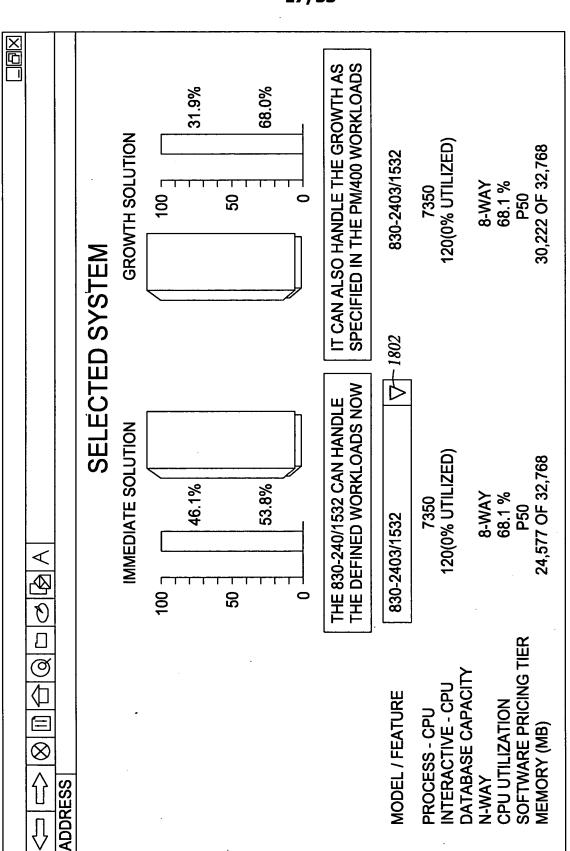


Fig. 18

1800

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			÷					18	3/:	35												The state of the s	Ų,
						Upgrade	11	11	7	7	7	7	7	∞	က	က	က	4	က	က	က	4	
	1977		2403		Disk	8 <u> </u>	11055	11066	11055	11056	16832	16852	18952	18952	18952	18952	18952	18952	18952	18952	18952	18952	
	**	1			Software	Tier	P50	P50	P50	P50	P40	P50	P50	P50	P40	P50	P50	P50	P40	P50	P50	P50	
	ţai 10000	IMy account	Interactive Card		_	n-way	8	8	∞	∞	12	12	12	12	24	24	54	5 4	24	54	24	24	
					Mail &Ca	Users	20910	20910	20910	20910	28430	28430	28430	28430	55610	55610	55610	55610	77800	77800	77800	77800	
	poolanop	download	r 2403	Select	Mail	Users			•	1	•		•	•	•		ı	1	•	ı	•		
	o trocking	Support & downloads	Processor 2403	to	Processor Interactive	CPW	120	240	560	1050	120	240	260	1050	120	240	260	1050	120	240	260	1050	
5 B A	40.50	Products	830	Change column 2	Processor	CPW	7350	7350	7350	7350	10000	10000	10000	10000	16500	16500	16500	16500	20200	20200	20200	20200	
3 0 0	owo []	ноше	Model	Change	\$ Upgrade	Price 2		82,500	258,500	495,000	273,728	356,228	532,228	768,728	766,728	849,228	1,025,228	1,261,728	1,078,028	1,160,528	1,336,528	1,573,028	
	ADDRESS	IRM	Upgrade		1904	System	830_2403_1532	830 2403 1533	830 2403 1534	1536	2418 1540	2418_1541	2418 1542		2420 1540		840 2420 1542		840 2461 1540	1541.	1542	2461_1543	
<u> </u>	∢ -			<u> </u>			906	_) 205								

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2000

ADDRESS	
IBM	✓
\$82,600.00 (US lot price) assumes a minimally operational machine.	
vSr1> vSr1 upgrade	
From 830 2403 1532	
8406 ISeries 400 Model 830 System Unit	
2403 Model 830 Processor	
1532 Interactive Capacity Card	
To 830_2403_1633	
9406 ISeries 400 Model 830 System Unit Conversion	
1533 Interactive Capacity Card \$82,500.00	
Carry Over	
2403 Model 830 Processor	
0041 Device Parity Protection-All 0367 Operations Conecte PCI Cable	
1454 200V 14FT Locking Line Card	
2881 Main Storage Expansion	
3082 129MB Main Storage	
4X 4317 8.58GB 10k rpm Disk Unit 4425 CD-ROM (PCI)	
4745 PCI WAN IDA	
5544 Sys Console on OP Console	
9074 Base I/O Enclosure	
9732 Base HSL Ports- 8 Copper	
9748 Base PCI Disk Unit Ctr 9771 Base PCI 2-Line WAN w/Modem	
9843 Base PCLIOP	
TOTAL \$82,500.00	
Any prices or configurations provided are intended for planning purposes only and are not a commitment by IBM.	
② Call me now	

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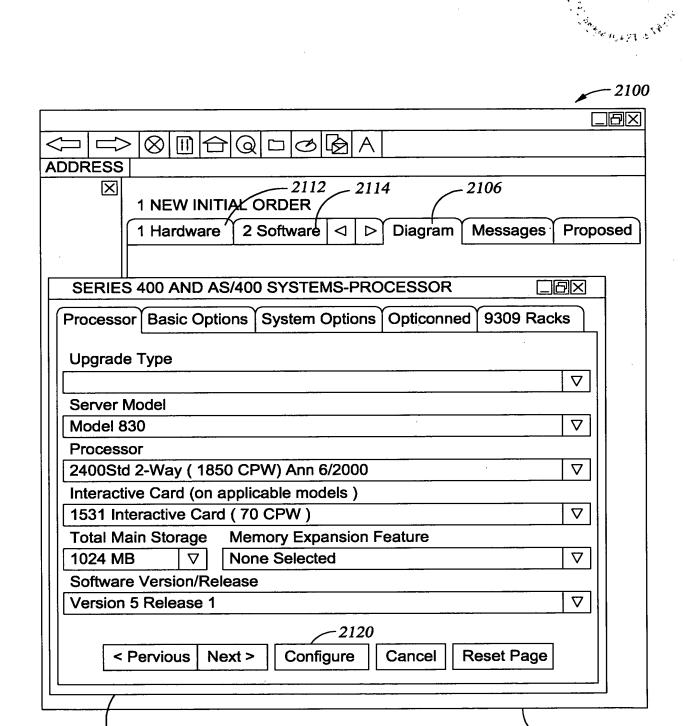


Fig. 21

2102

2101

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			21/35			
NDIVIDUAL ITEMS	<u></u>					
1 9406-8XX-5079 1.8m I/O Tower \$56,600.00 \$56,600.00 Remove \$1 9406-8XX-5101 30-Disk Expansion Feature \$9,000.00 \$9,000.00 Remove \$1 9406-840-5150 Battery Backup (External) \$2,500.00 \$2,500.00 Remove \$1 9406-8XX-2685 1063 Mbps OptiConnect Receiver, 830/840 - for initial & MES upgrade orders, 820 - for field upgrade (MES) orders only \$1,950.00 \$1,950.00 Remove \$20 - for field upgrade (MES) orders only \$1,950.00 \$1,950.00 Remove \$1 9406-820-5157 Feature Power Supply \$1,950.00 \$1,950.00 Remove \$1 9406-820-7127 DASD Expansion Unit (820 Only) \$850.00 \$850.00 Remove \$1 9406-8XX-2796 256 MB Netfinity IOP Memory 850 MHz PCI for i Series 820,830, 840,SB2, SB3 \$1 9406-8XX-2797 1 GB Netfinity IOP Memory 850 MHz PCI for i Series 820,830, 840,SB2, SB3 \$1 9406-8XX-2797 1 GB Netfinity IOP Memory 850 MHz PCI for i Series 820,830, 840,SB2, SB3 \$1 9406-8XX-2731 1.6GB Read Cache Device \$37,000.00 \$15,120.00 Remove \$1 9406-8XX-2748 PCI RAID Disk Unit \$6,000.00 \$6,000.00 Remove \$1 9406-8XX-2748 PCI RAID Disk Unit \$6,000.00 \$6,000.00 Remove \$1 9406-8XX-2748 PCI RAID Disk Unit \$6,000.00 \$6,000.00 Remove \$1 9406-8XX-2748 PCI RAID Disk Unit \$6,000.00 \$6,000.00 Remove \$1 9406-8XX-2748 PCI RAID Disk Unit \$6,000.00 \$6,000.00 Remove \$1 9406-8XX-2748 PCI RAID Disk Unit \$6,000.00 \$6,000.00 Remove \$1 9406-8XX-2748 PCI RAID Disk Unit \$6,000.00 \$6,000.00 Remove \$1 9406-8XX-2748 PCI RAID Disk Unit \$6,000.00 \$6,000.00 Remove \$1 9406-8XX-2748 PCI RAID Disk Unit \$6,000.00 \$6,000.00 Remove \$1 9406-8XX-2748 PCI RAID Disk Unit \$6,000.00 \$6,000.00 Remove \$1 9406-8XX-2748 PCI RAID Disk Unit \$6,000.00 \$6,000.00 Remove \$1 9406-8XX-2748 PCI RAID Disk Unit \$6,000.00 \$6,000.00 Remove \$1 9406-8XX-2748 PCI RAID Disk Unit \$6,000.00 \$6,000.00 Remove \$1 9406-8XX-2748 PCI RAID Disk Unit \$6,000.00 \$6,000.00 Remove \$1 9406-8XX-2748 PCI RAID Disk Unit \$6,000.00 \$6,000.00 Remove \$1 9406-8XX-2748 PCI RAID Disk Unit \$6,000.00 \$6,000.00 Remove \$1 9406-8XX-2748 PCI RAID Disk Unit \$6,000.00 \$6,000.00 Remove \$1 9406-8XX-2748 PCI RAID Disk Unit \$6,000.00 \$6,000.00 Remove \$1						
1 9406-8XX-5101 30-Disk Expansion Feature 1 9406-840-5150 Battery Backup (External) 2 9406-8XX-2685 1063 Mbps OptiConnect Receiver, 830/840 - for initial & MES upgrade orders, 820 - for field upgrade (MES) orders only 2 9406-820-5157 Feature Power Supply \$1,950.00 \$1,950.00 Remove (820 Only) 3 9406-820-7127 DASD Expansion Unit (820 Only) 4 9406-8XX-2796 256 MB Netfinity IOP Memory 850 MHz PCI for i Series 820,830, 840,SB2, SB3 1 9406-8XX-2797 1 GB Netfinity IOP Memory 850 MHz PCI for i Series 820,830, 840,SB2, SB3 6 9406-8XX-4318 17.54GB 10k rpm Disk Unit (Ultra-2 SCSI) 4 9406-8XX-4331 1.6GB Read Cache Device 1 9406-8XX-2748 PCI RAID Disk Unit \$6,000.00 \$6,000.00 Remove Cultra PCI Remove Series PCI RAID Disk Unit \$6,000.00 \$6,000.00 Remove Cultra PCI Remove Series PCI RAID Disk Unit \$6,000.00 \$6,000.00 Remove PCI	Qty	Part No.	Description Availab	le Item Price	Line To	tal
Peature	1	9406-8XX-5079	1.8m I/O Tower	\$56,600.00	\$56,600.00	Remove
(External) 9406-8XX-2685 1063 Mbps OptiConnect Receiver, 830/840 - for initial & MES upgrade orders, 820 - for field upgrade (MES) orders only 9406-820-5157 Feature Power Supply \$1,950.00 \$1,950.00 Remove (MES) orders only 9406-820-7127 DASD Expansion Unit (820 Only) 4 9406-8XX-2796 256 MB Netfinity IOP Memory 850 MHz PCI for i Series 820,830, 840,SB2, SB3 1 9406-8XX-2797 1 GB Netfinity IOP Memory 850 MHz PCI for i Series 820,830, 840,SB2, SB3 6 9406-8XX-4318 17.54GB 10k rpm Disk Unit (Ultra-2 SCSI) 9406-8XX-4311 1.6GB Read Cache Device 1 9406-8XX-2748 PCI RAID Disk Unit \$6,000.00 \$6,000.00 Remove Citr	1	9406-8XX-5101		\$9,000.00	\$9,000.00	Remove
OptiConnect Receiver, 830/840 - for initial & MES upgrade orders, 820 - for field upgrade (MES) orders only 1 9406-820-5157 Feature Power Supply \$1,950.00 \$1,950.00 Remove (820 Only) 4 9406-820-7127 DASD Expansion Unit (820 Only) 4 9406-8XX-2796 256 MB Netfinity IOP Memory 850 MHz PCI for i Series 820,830, 840,SB2, SB3 1 9406-8XX-2797 1 GB Netfinity IOP Memory 850 MHz PCI for i Series 820,830, 840,SB2, SB3 6 9406-8XX-4318 17.54GB 10k rpm Disk Unit (Ultra-2 SCSI) 4 9406-8XX-4331 1.6GB Read Cache Device 1 9406-8XX-2748 PCI RAID Disk Unit \$6,000.00 \$6,000.00 Remove Ctlr	1	9406-840-5150		\$2,500.00	\$2,500.00	Remove
1 9406-820-7127 DASD Expansion Unit (820 Only) 4 9406-8XX-2796 256 MB Netfinity IOP Memory 850 MHz PCI for i Series 820,830, 840,SB2, SB3 1 9406-8XX-2797 1 GB Netfinity IOP Memory 850 MHz PCI for i Series 820,830, 840,SB2, SB3 6 9406-8XX-4318 17.54GB 10k rpm Disk Unit (Ultra-2 SCSI) 4 9406-8XX-4331 1.6GB Read Cache Device 1 9406-8XX-2748 PCI RAID Disk Unit \$6,000.00 \$6,000.00 Remove Ctlr	1	9406-8XX-2685	OptiConnect Receiver, 830/840 - for initial & MES upgrade orders, 820 - for field upgrade	\$5,000.00	\$5,000.00	Remove
(820 Only) 9406-8XX-2796 256 MB Netfinity IOP Memory 850 MHz PCI for i Series 820,830, 840,SB2, SB3 1 9406-8XX-2797 1 GB Netfinity IOP Memory 850 MHz PCI for i Series 820,830, 840,SB2, SB3 6 9406-8XX-4318 17.54GB 10k rpm Disk Unit (Ultra-2 SCSI) 9406-8XX-4331 1.6GB Read Cache Device 9406-8XX-2748 PCI RAID Disk Unit \$6,000.00 \$6,000.00 Remove Ctlr	1	9406-820-5157	Feature Power Supply	\$1,950.00	\$1,950.00	Remove
Memory 850 MHz PCI for i Series 820,830, 840,SB2, SB3 1 9406-8XX-2797 1 GB Netfinity IOP Memory 850 MHz PCI for i Series 820,830, 840,SB2, SB3 6 9406-8XX-4318 17.54GB 10k rpm Disk Unit (Ultra-2 SCSI) 4 9406-8XX-4331 1.6GB Read Cache Device 9406-8XX-2748 PCI RAID Disk Unit \$6,000.00 \$6,000.00 Remove Ctlr	1	9406-820-7127		\$850.00	\$850.00	Remove
Memory 850 MHz PCI for i Series 820,830, 840,SB2, SB3 6 9406-8XX-4318 17.54GB 10k rpm Disk Unit (Ultra-2 SCSI) 4 9406-8XX-4331 1.6GB Read Cache \$37,000.00 \$148,000.00 Remove Device 1 9406-8XX-2748 PCI RAID Disk Unit \$6,000.00 \$6,000.00 Remove Ctlr	4	9406-8XX-2796	Memory 850 MHz PCI for i Series 820,830,	\$805.00	\$3,200.00	Remove
Unit (Ultra-2 SCSI) 9406-8XX-4331	1	9406-8XX-2797	Memory 850 MHz PCI for i Series 820,830,	\$6,995.00	\$6,995.00	Remove .
Device 9406-8XX-2748 PCI RAID Disk Unit \$6,000.00 \$6,000.00 Remove Ctlr	6	9406-8XX-4318	•	\$2,520.00	\$15,120.00	Remove
Ctlr	4	9406-8XX-4331		\$37,000.00	\$148,000.00	Remove
Subtotal \$255,235.00* Recalculate	1	9406-8XX-2748		\$6,000.00	\$6,000.00 I	Remove
			Su	btotal \$255,2	35.00* Recal	culate

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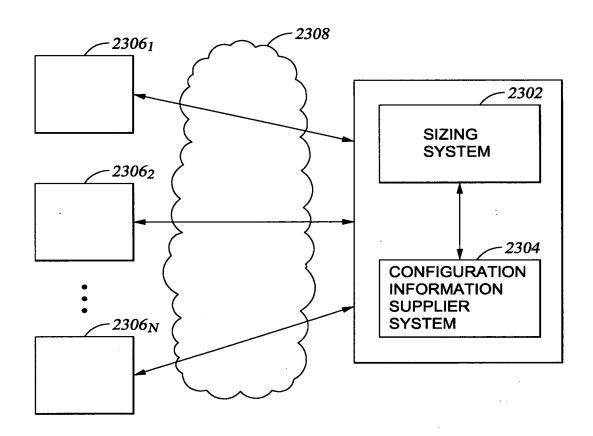
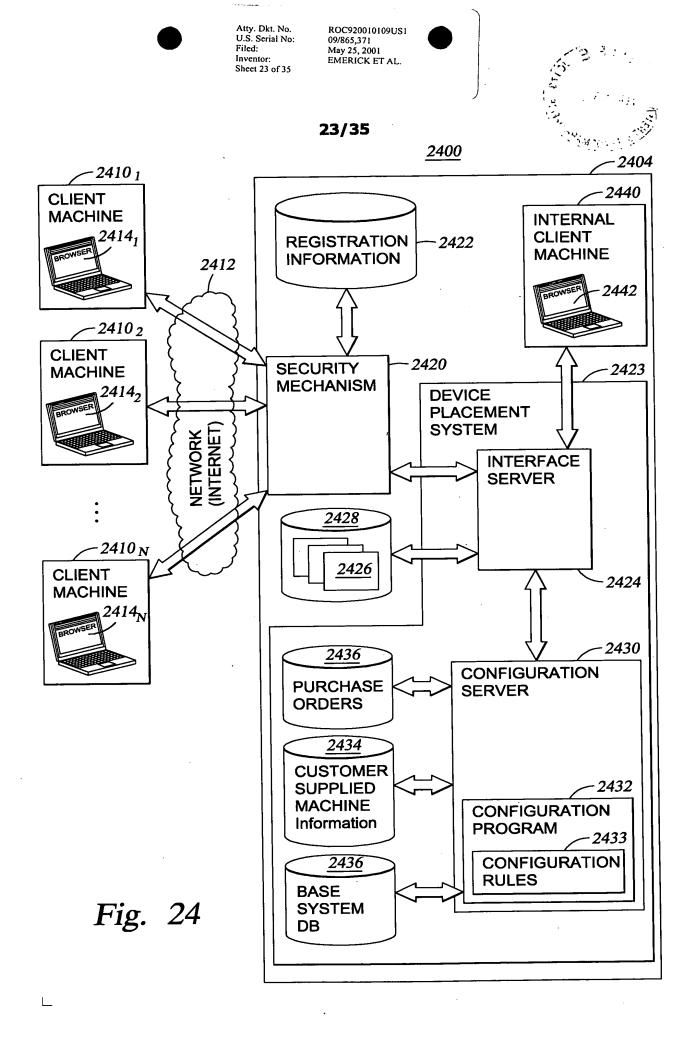
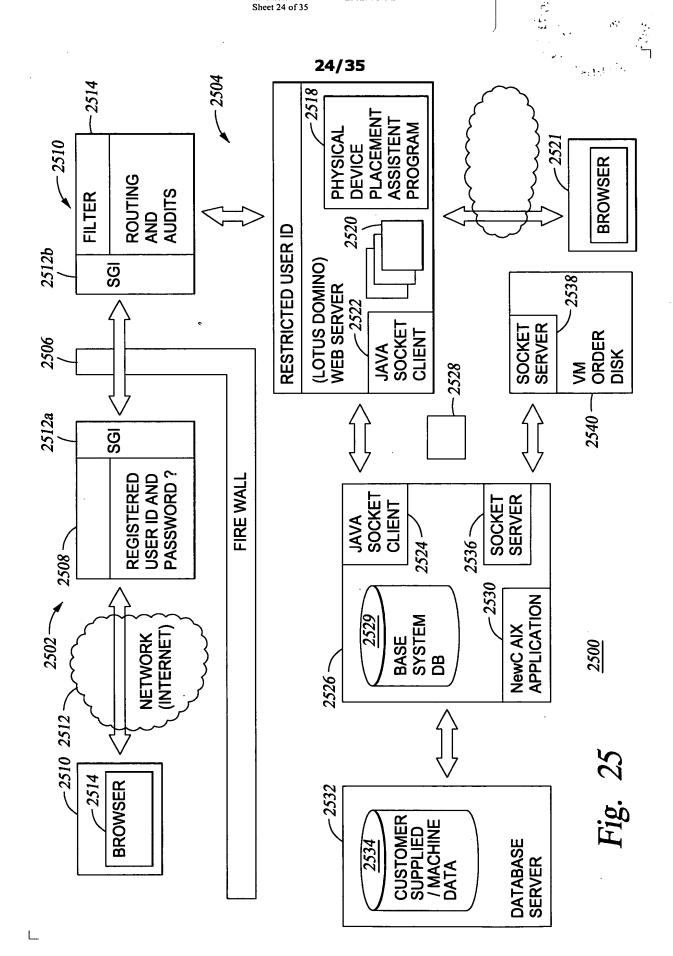


Fig. 23





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7007	7.2004	7000
KEY	VALUE	DESCRIPTION
MTM	9406170	MACHINE TYPE MODEL
SN	0012345	SERIAL NUMBER
VPD	01/02/07	VITAL PRODUCT DATA
CFG	00110031	CONFIGURATION LEVEL
Т, 5065	01C00	KEY = TOWER . TOWERTYPE VALUE = TOWER LOCATION
FC 2722 _ 2610 O. 5065 . 02L01 . CC08 _ 2	2612 2721	TYPE . TOWERTYPE . TOWERLOCATION . SLOTLOCATION
MSG		START OF CONFIGURATION MESSAGES
END		END OF CONFIGURATION MESSAGES

Fig. 26A

	7007	7 2004	0007
KEY		VALUE	DESCRIPTION
MTM		9406170	MACHINE TYPE MODEL
SN		0012345	SERIAL NUMBER
VPD		01/02/07	VITAL PRODUCT DATA
CFG		00110031	CONFIGURATION LEVEL
T, 5065		01C00	KEY = TOWER. TOWERTYPE VALUE = TOWER LOCATION
N. 5065.	N. 5065 . 02L01 . CC09 ⁻²⁶¹⁰ 2722 O. 5065 . 02L01 . CC08 ⁻²⁶¹² 2721	2722 2721	TYPE. TOWERTYPE. TOWERLOCATION. SLOTLOCATION
MSG			START OF CONFIGURATION MESSAGES
END			END OF CONFIGURATION MESSAGES

Fig. 26B

0

ROC920010109US1 09/865,371 May 25, 2001 EMERICK ET AL.

ADDRESS	
IBM PHYSICAL DEVICE PLACEMENT ASSISTANT	
2702 SPECIFY ISERIES OR AS/400 SYSTEM INFORMATION	ļ
 ○ ENTER SYSTEM: ○ SELECT BASE SYSTEMS: ○ MACHINE EQUIPMENT SPECIFICATION (MES) NUMBER: 	MBER)
MACHINE TYPE: $9406 \ \nabla -2708$	
USER TYPE: CUSTOMER $oxedownowallign{ c c c c c c c c c c c c c c c c c c c$	
SUMMIT SYSTEM INFORMATION -2712	

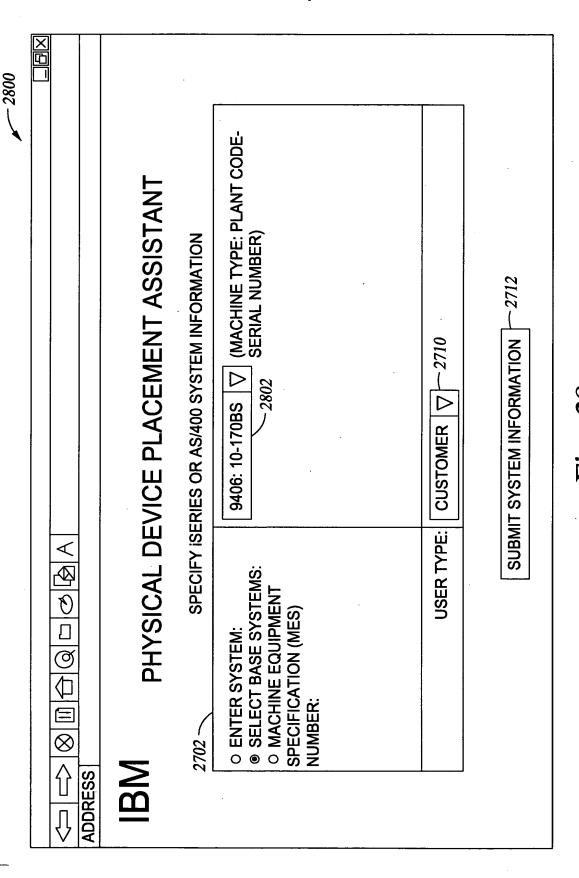
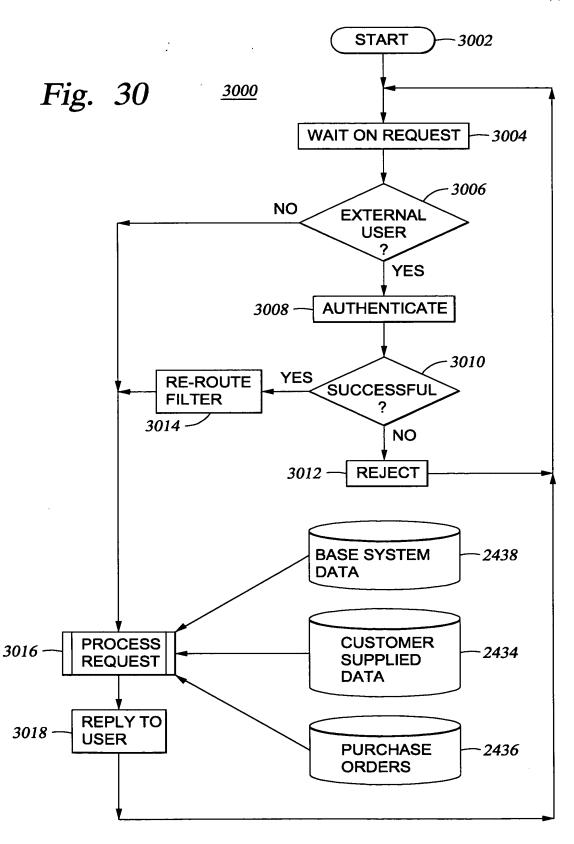


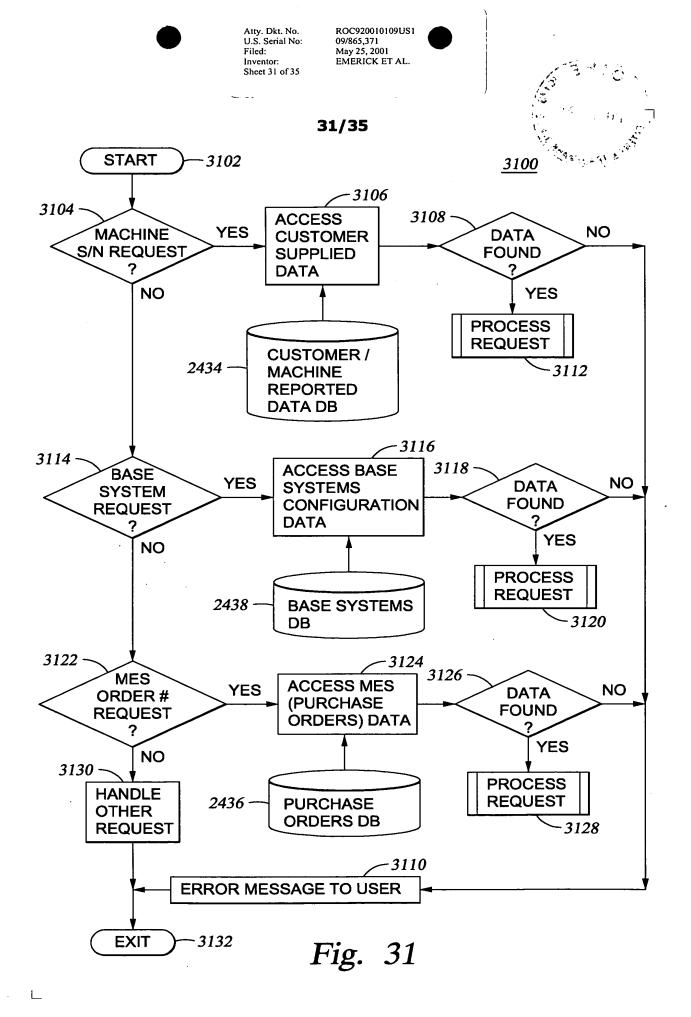
Fig. 28



PHYSICAL DEVICE PLACEMENT ASSISTANT	SPECIFY ISERIES OR AS/400 SYSTEM INFORMATION	ASE SYSTEMS: EQUIPMENT ON (MES)	PLANT OF ORIGIN: ROCHESTER, MN. USA	USER TYPE: $\boxed{\text{CUSTOMER}} \boxed{\nabla} -2710$	SUBMIT SYSTEM INFORMATION -2712
 IBM PHYSICAL [2702 SPECII	○ ENTER SYSTEM: ○ SELECT BASE SYSTEMS: ◎ MACHINE EQUIPMENT SPECIFICATION (MES) NUMBER:		USER 1	

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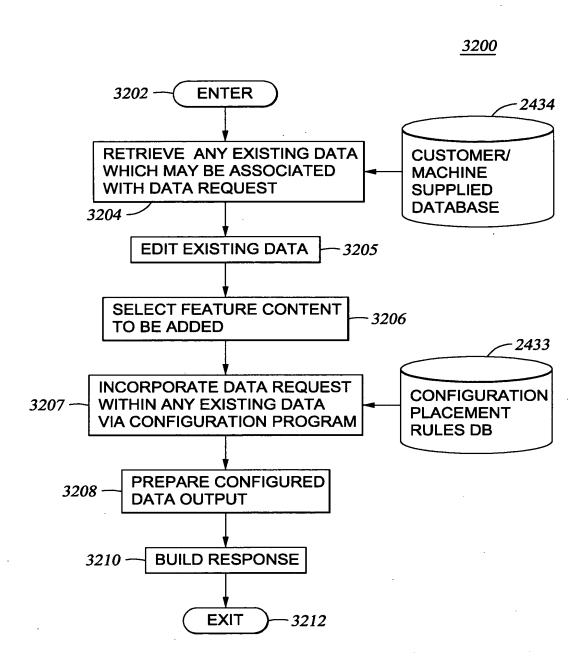


Fig. 32

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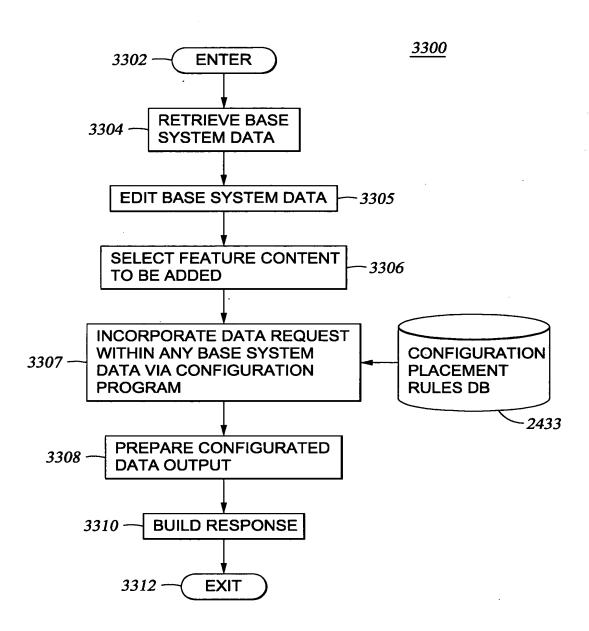
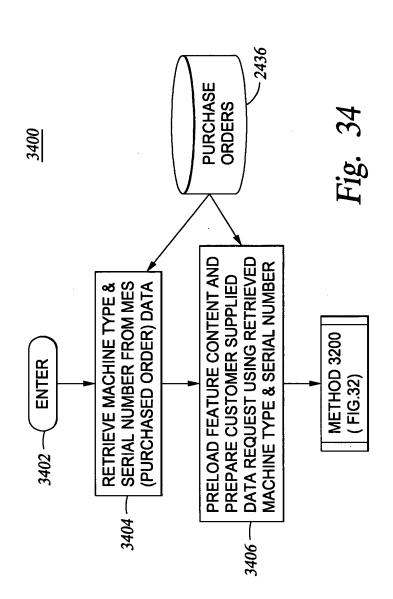


Fig. 33

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3500

		, 5500
7 2 5 5 5		
ADDRESS		
IBM	5074 I/O EXPANSION UNIT MODEL: 820	
EDIT	UNIT MODEL. 820	DETUDN
EDIT	7. 0.400	RETURN
MACHINE TYPE FRAME: 2	:: 9406 SERIAL N VPD DATE	UMBER: 0012345 E: 00/12/21
	PCI CARDS	
	REAR VIEW - LEFT SIDE	
POSITION	POSITION DESCRIPTION	CCIN
C01	IOP	2843
C02	IOA	2748
C03	IOP/IOA	2838
C04	IOA	*2749*
C05	IOP/INS	EMPTY
C06	IOA	EMPTY
C07	IOA	EMPTY
C08	HSL - NOT A PCI POSITION	
C09	IOP/IOA	EMPTY
C10	IOA	EMPTY
C11	IOP/INS	EMPTY
C12	IOA	EMPTY
C13	IOA	EMPTY
C14	IOP/IOA	EMPTY
C15	IOA	EMPTY
	REAR VIEW - RIGHT SIDE	

Fig. 35

PCI CARDS